Online Student Tutorial Script for Math High School (Algebra I/Algebra II)

1. Log on to http://parcc.pearson.com/tutorial
2. Toward the bottom of the screen, click on the drop down arrow beside ***Online Student Tutorials*** and select High School Math Computer-Based Assessment Tutorial.
3. A new tab will open in your browser. Select ***Start Test Now*** and ***Start Section*** (blue buttons) on the next two pages.
4. **Navigation Tips**:
   - Show students that to move from one question to the next, they must select the blue right arrow button in the upper left corner of the screen.
   - They may go back to the previous question by selecting the blue left arrow button.
   - They may use the Flag button to mark a question they want to go back to later.
5. Walk students through screens 1-32, demonstrating and elaborating on the information provided on each screen. Students should follow along and practice each task on their computers.

   Screen 1:

   - Multiple Choice questions have four answer choices and only one correct response. Multiple Choice items are represented with circles by each response.
   - Select answer choice D from the Multiple Choice options.
   - Multiple select items have 4-7 answer choices and one or more correct response. Multiple Select items are represented with squares. Select answer choices A, B, C, D, E, and F from the Multiple Select options.
   - Select the blue right arrow to go to the next screen.

   Screen 2:

   - Select the blue right arrow to go to the next screen.

   Screen 3:

   - Select answer choice B for the Multiple Choice question.
   - Select the blue right arrow to go to the next screen.

   Screen 4:

   - Select the blue right arrow to go to the next screen.

   Screen 5:

   - Select answer choices A, C, and D to the question.
   - Select the blue right arrow to go to the next screen.

   Screen 6:

   - Some questions require you to drag and drop items to specific locations on the page.
   - Using your mouse, drag the words “two” and “four” and drop them into the box labeled Even Numbers.
   - Using your mouse, drag the words “one” and “three” and drop them into the box labeled Odd Numbers.

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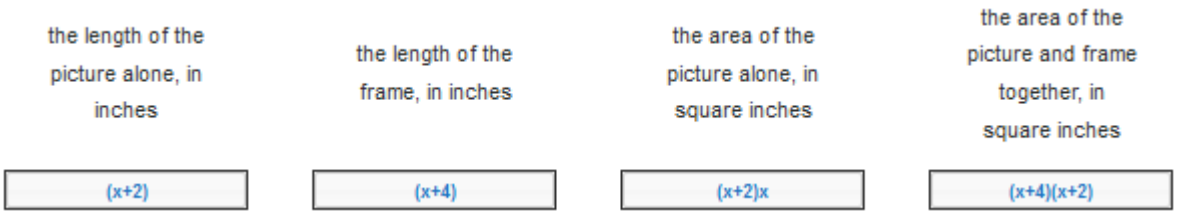
- Select the blue right arrow to go to the next question.

Screen 7:

- Use the graphic below to show students how to answer the question.



- Select the blue right arrow to go to the next question.

Screen 8:

- There are two types of equation editor items.
- Basic Equation Editor allows for math only, no text.
- Practice typing fractions (like ¾) and math operations (like 5 – 3) in the box provided. Notice that when you select the blue down arrow more buttons appear. Practice entering mixed numbers and inequalities.
- Open-Response Equation Editor allows for math and text. This means you can be asked to provide an answer and an explanation of your work. Practice typing in the box. Use the dark grey bar on the right to scroll down to see more options for entering Relations and Geometry.
- Select the blue right arrow to go to the next question.

Screen 9:

- For Part A, enter the following into the rectangular box:

$$p(n) = 5 + 0.25n$$
$$s(n) = 120 - 3n$$

- For Part B, enter the following into the rectangular box:

$$r(n) = (5 + 0.25n)(120 - 3n)$$
$$\text{Weekly Revenue} = 675$$

- For Part C, enter something similar to the following into the rectangular box: "The maximum weekly revenue is $675. The weekly revenue with no price increase is $600, so there is a difference of $75 in weekly revenue. To find the percent increase, you take the difference in revenue divided by the weekly revenue with no price increase. 75/600=12.5%."
- Select the blue right arrow to go to the next question.

Screen 10:

- For Part A, enter the following into the rectangular box:

Brett: $d = \frac{25}{3}t + 20$
Olympian: $d = 10t$

- For Part B, enter something similar to the following into the rectangular box:

> The race is 100 meters so you substitute 100 for d into each equation. Then you solve for time. Brett will reach the finish time in 9.6 seconds and the Olympian will take 10 seconds. Therefore, Brett will win the race by 0.4 seconds.

- Select the blue right arrow to go to the next question.

Screen 11:

- Some questions have fill-in-the-blank items.
- Fractions cannot be entered for fill-in-the-blank items so answers must be entered as decimals when necessary.
- Enter 30 into the answer box.
- Select the blue right arrow to go to the next question.

Screen 12:

- Select the blue right arrow to go to the next question.

Screen 13:

- Enter –3 into the answer box.
- Select the blue right arrow to go to the next question.

Screen 14:

- Some questions have hot-spot items that require you to select a spot as your answer.
- Use the graphic below to answer the question:

- Select the blue right arrow to go to the next question.

Screen 15:

- Select the blue right arrow to go to the next question.

Screen 16:

- For Part A, select quadrants I, III, and IV.
- For Part B, enter (3, –2).
- Select the blue right arrow to go to the next question.

Screen 17:

- Inline Choice questions include drop down menus from which you can select the correct response.
- If there is more than one drop down menu for a question, you must select a response for both in order to complete the question.
- Select(–2, –1) from the first drop down menu and select 2 from the second drop down menu.
- Select the blue right arrow to go to the next question.

Screen 18:

- Select the blue right arrow to go to the next question.

Screen 19:

- For Part A, select is associated with from the first drop down menu and select non-smoking women in China aged 40-years and older only from the second drop down menu.
- For Part B, select be asked to drink green tea from the first drop down menu, select be asked to not drink green tea from the second drop down menu and select at random from the third drop down menu.
- Select the blue right arrow to go to the next question.

Screen 20:

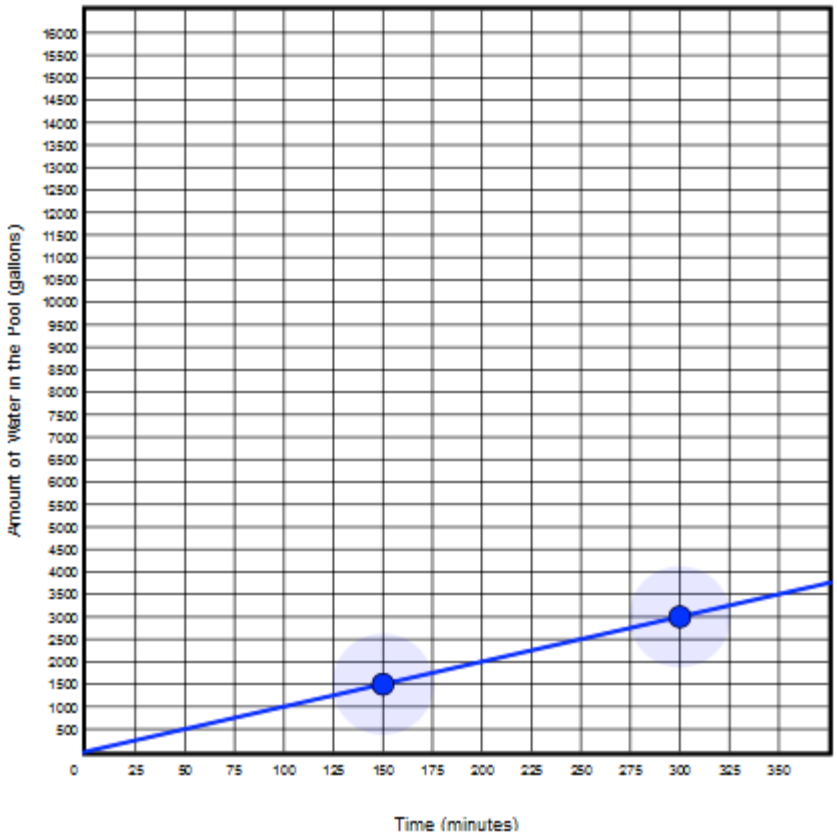
- For line-graph items, you need to select two points on a graph to create a line. After you select the second point, a line will automatically be drawn.
- Practice using the line-graph item.
- Select the blue right arrow to go to the next question.

Screen 21:

- Select the blue right arrow to go to the next question.

Screen 22:

- Some questions have multiple parts like this one that has both fill-in-the-blank and line-graph parts.
- For Part A, enter 13000 into the first box and enter 600 into the second box.
- For Part B, use the graphic below to answer the question:



- Select the blue right arrow to go to the next question.

Screen 23:

- Bar graph items require you to extend the bar to the correct height or length.

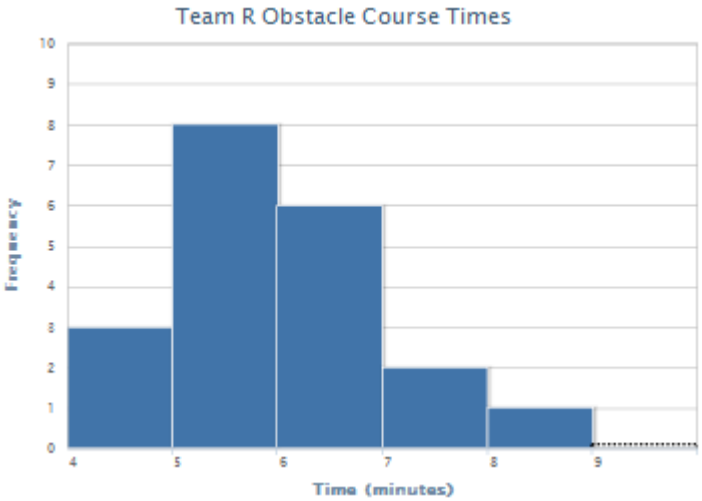
- To extend the bar, select and hold it. Drag it to the desired height or length and then release it.
- A comment box will appear as you drag the bar to indicate values.
- Drag each bar to the right to reflect the appropriate number of dogs for each color of dogs.
- Select the blue right arrow to go to the next question.

Screen 24:

- Select the blue right arrow to go to the next question.

Screen 25:

- For Part A, drag each bar of the histogram to create the histogram shown here:



- For part B, select answer choices A and C.
- Select the blue right arrow to go to the next question.

Screen 26:

- Function-graph items require you to choose the type of function on the left hand side of the grid before graphing.
- After you select the type of function, two points and the line will appear on the graph. The vertex will appear at (0, 0).
- You can then adjust the line as needed.
- The following graph represents the given equation:

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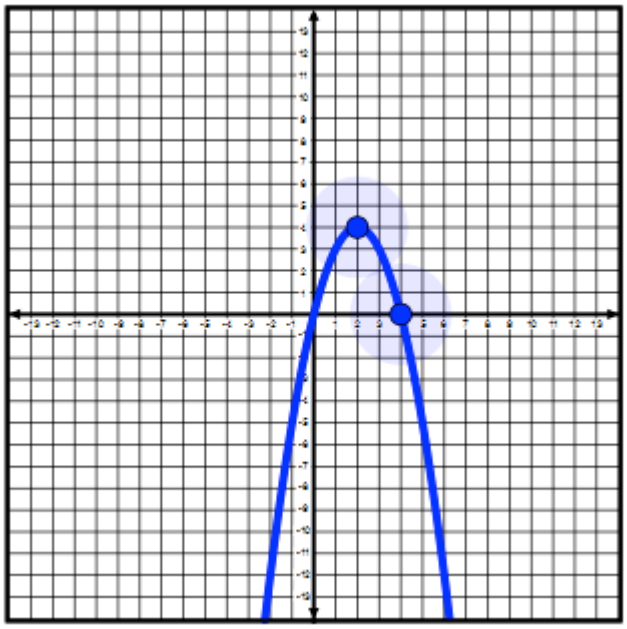


- Select the blue right arrow to go to the next question.

Screen 27:

- *Note: This is the same equation that was shown on the previous screen.*
- Select the blue right arrow to go to the next question.

Screen 28:

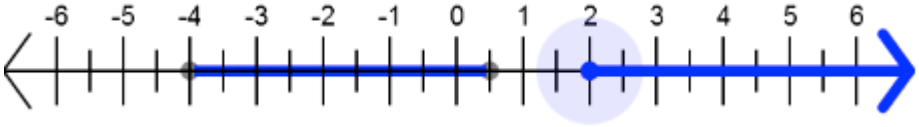
- Interactive number line items require you to plot solution sets on a number line.
- Begin by selecting the ray or segment. It will then appear on the number line.
- Then move the end point(s) to the desired positions.
- Practice by graphing $x < 2$. Select  . Then drag the blue point to 2.
- Select the blue right arrow to go to the next question.

Screen 29:

- Select the blue right arrow to go to the next question.

Screen 30:

- For Part A, enter 8 into the box.
- For Part B, use the graphic below to answer the question:



- For Part C, select answer choice C.
- For Part D, select answer choice B.
- Select the blue right arrow to go to the next question.

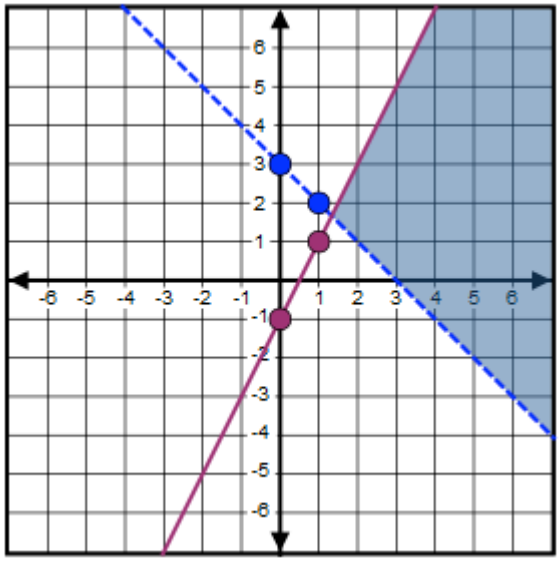
Screen 31:

- Solution-set-graphing items ask you to graph the solution to a system of equations.
- To graph a line, select the line and plot two points on the coordinate plane. A line will appear through the points.
- Then select the second line and repeat the process.

- Then click the solution-set button to select the area to be shaded on the graph.
- Practice graphing solution sets on the graph provided. *Note: Though it mentions "choosing a dashed or solid style line," this is not an option on this screen. Students will see it on the next screen.*
- Select the blue right arrow to go to the next question.

Screen 32:

- Use the graphic below to answer the question:



- Select the blue right arrow to go to the next question.

6. **End Test:**
   - Note the option to Review Answers and go back to unanswered questions as well as questions flagged for review.
   - Press the green button that says "Submit Final Answers."
   - Select "Yes, Submit Final Answers" in the small inset window.